

CLASSIFIED MESSAGE

SECRET

NPIC REGISTRY

FILE INFO

(When Filled In)

TOP SECRET

REPRODUCTION PROHIBITED

SEP 22 5 19 PM '71

1	FILE	6	11	16
2	OIDIR	7	12	17
3	RRD/DAS	8	13	18
4	TSG/ABD	9	14	19
5	TSG/CSB	10	15	20

OUT 73054
P 222038Z
FM NPIC

AFSSO PACAF
AFSSO ACIC
AFSSO FTD
AFSSO USAFE
CNO
OPCEN
FICEUR
ZEM

T O P S E C R E T T T T T

CITE NPIC 1657.

ALSO FOR 544 ARTW.

SUBJECT: CAMERA INFORMATION FOR MISSION 1115-1.

1. THE MISSION UTILIZED TWO PAN CAMERAS, FOUR HORIZON CAMERAS, DUAL STELLAR CAMERAS AND AN INDEX CAMERA.

2. CAMERA DATA

A. MAIN UNITS

FOCAL LENGTHS(MM)	PAN CAMERAS	PORT HORIZONS	STBD HORIZONS
FWD	609.587		NOT AVAILABLE
AFT	609.594		NOT AVAILABLE

FILTERS

PAN FWD	PRIMARY	W-25
PAN FWD	ALTERNATE	W-25
PAN AFT	PRIMATY	W-23
PAN AFT	ALTERNATE	W-23
FWD STBD	HORIZON	W-25
FWD PORT	HORIZON	W-25
AFT STBD	HORIZON	W-25
AFT PORT	HORIZON	W-25

APERTURE

STBD HORIZON	F8
PORT HORIZON	F6.3

FILM

FWD	27JC-7-16, 300
AFT	27JC-7-16, 300

DYNAMIC RESOLUTION

FWD HIGH CONTRAST	272
FWD LOW CONTRAST	177
AFT HIGH CONTRAST	256

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AFT LOW CONTRAST 165
UNIT NUMBER FWD 331 AFT 330

B. DISIC UNIT NO. 14

	PORT STELLAR	STBD STELLAR	INDEX
FOCAL LENGTHS (MM)	75.982	75.784	76.355
FILTER (WRATTEN)	NONE	NONE	W-12
EXPOSURE (SEC)	1.5	1.5	1/500
FILM	3401	3401	3400

3. ELNS DISTORTION (PIN CUSHION) (MM)

A. MAIN UNITS

ANGLE OFF AXIS (DEG)	3	2	1	0	359	358	357
FWD	5	1	0	0	0	1	1
AFT	5	1	0	0	0	0	1

B. HORIZON CAMERA DISTORTION

	FWD PORT	FWD STBD	AFT PORT	AFT STBD
RADIAL 10 DEG	.01	.01	.01	.02
20 DEG	.04	.02	.03	.03
TANGENTIAL	.023	.030	.041	.028

4. CAMERA ANGLES

NOT AVAILABLE

5. TIMING MARKS

FREQUENCY MARKS WILL APPEAR ON THE FILM AT A RATE OF
200 CYCLES PER SECOND.

6. IMAGE MOTION COMPENSATION DATA

PASSES	REF LEVEL	AMP LEVEL
1D, 70D, 71D	2	14
7D, 8D, 23D, 24D	1	11
16D	1	10
37D	2	11
39D THRU 41D	3	11
48D	4	12
53D THRU 55D	5	12
56D, 57D	3	13
72D THRU 79D	3	14
84D THRU 89D	3	15
90D	5	15
100D, 101D	1	17
102D THRU 104D	2	17

FOR ALL PASSES PRIMARY PERIOD 3995 SECONDS, SECONDARY PERIOD
2617, SECONDARY RAMP FACTOR .056500

7. PROGRAM TIME DATA

PASS	DAY	CAMERA ON TIME (ZULU TIME)			PROGRAM ON TIME UP RAMP SEC	PROGRAM DURATION SEC
		HR	MIN	SEC		
1D	10	22	59	00	1743	40
7D1	11	07	48	25	1663	56

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7D2	11	07	50	25	1783	110
8D	11	09	16	09	1366	440
16D	11	21	13	41	1946	55
23D	12	07	27	21	1623	156
24D1	12	08	51	53	1390	157
24D2	12	08	54	53	1570	79
24D3	12	08	57	17	1714	79
24D4	12	08	59	42	1859	55
37D	13	04	06	41	1713	35
39D	13	07	02	13	1646	145
40D1	13	08	26	14	1436	60
40D2	13	08	29	17	1619	92
40D3	13	08	31	42	1764	138
41D	13	10	01	45	1868	49
48D	13	20	23	10	2025	53
53D1	14	03	38	51	1696	98
53D2	14	03	41	46	1871	43
54D1	14	05	07	34	1726	56
54D2	14	05	09	10	1822	95
55D	14	06	34	39	1660	201
56D1	14	08	02	26	1684	363
56D2	14	08	09	57	2136	36
57D1	14	09	31	24	1730	67
57D2	14	09	34	42	1928	107
70D	15	04	39	37	1895	71
71D	15	06	06	36	1814	64
72D	15	07	34	01	1761	513

8. TIME CORRELATION (MILLISECONDS)

PASS	CLOCK TIME	SYSTEM TIME	DIFFERENCE
9	317866.779	37472.3141	----
16	356720.280	76325.8157	-.001
25	402858.172	36063.7081	0
32	441584.648	74790.1841	0
42	493396.328	40201.8636	0
49	531853.946	78659.4809	PLUS.001
65	79589.891	76866.3355	PLUS.001
74	125629.260	36505.7025	PLUS.002
81	164377.496	75253.9366	PLUS.002
90	210529.564	35006.0019	PLUS.003
97	249076.622	73553.0574	PLUS.002
106	295188.787	33265.2189	PLUS.003

EOM
GP-1